

# Specifications

## ASD TUG / 25M / 70T BP



### Dimensions:

Length Over All	: 25.60 m
Length Mid	: 24.70 m
Breadth Mid	: 11.00 m
Depth Main Deck	: 4.60 m
Draft, Maximum	: 5.70 m
Deadweight	: 190 tonnes
Gross Tonnage	: 316
Net Tonnage	: 95
Accommodation	: Crew 8

**Class** : LR 100A1 TUG LMC, IWS

**Bollard Pull** : 70 tonnes  
**Speed** : 12.5 kn

### Tank Capacity

Diesel Oil	: 160 m <sup>3</sup>
Fresh Water	: 28 m <sup>3</sup>
Ballast Water	: 46 m <sup>3</sup>
Lube Oil	: 4 m <sup>3</sup>
Sewage	: 4 m <sup>3</sup>
Misc.	: 9 m <sup>3</sup>

### Main Engine(s)

MAN : 2x12V175D-MM, 2040 kW @ 1800 RPM

### Propulsion System(s)

KONGSBERG : 2XUS 2055 FT

### Generator(s):

Auxiliary : 2x LIAG/JOHN DEERE, 70 kWe, 1500 rpm.  
 Harbour : 1x LIAG/JOHN DEERE 40 kWe, 1500 rpm.

### Deck Equipment

Towing Winch / Anchor Windlass	: Hydraulic, RRM ATWH1300/240/AW20,5U2 Pulling 1 <sup>st</sup> layer 25 ton @ 0-20 m/min Brake holding load 130 ton
Capstan	: Hydraulic, RRM, CH50H Warping head Dia. 450mm Pull 4,5 tons at 30 m/min
Towing Hook	: Mampaey Quick Release DSX 70/85, SWL 85 ton
Deck Crane	: Amco Veba, 810-3SMF 750kg @ 9.7m

### Anchor & Chains

Port	: Spek anchor 570 kg with chain Ø20.5mm Gr2 (5 lengths)
Stbd	: Spek anchor 570 kg with chain Ø20.5mm Gr2 (6 lengths)

### Fendering

Bow	: Cylindrical, Diam. 800mm W fender 500x330mm
Sheer	: DO fender 300mm
Stern	: Cylindrical, Diam. 600mm

### External Fire Fighting System

Fi-Fi I, with water spray	: Fi-Fi I, with water spray
Fi-Fi Pumps	: 2 x 1400 m <sup>3</sup> /h
Fi-Fi Monitors	: 2 x 1200m <sup>3</sup> /h

### Sewage Treatment Plant

: IMO/MARPOL compliance, black and grey water

**Oily Water Separator** : IMO/MARPOL compliance, 0.5 m<sup>3</sup>/h

**Safety Equipment**

Rescue Boat : Zodiac, Ribo 450  
Life Rafts : 2 x 10 pers. DSB

**Communication Equipment**

GMDSS : A1-A2-  
MF/HF Radio : 1x Furuno FS-1575  
VHF Radio : 2x Furuno FM 8900S  
Portable VHF : 3 x ACR SR203  
GPS : 1 x Furuno GP-1870  
AIS : 1x Furuno FA-170  
E.P.I.R.B. : 1X ACR RLB-41  
Sart : 2x ACR Pathfinder

**Navigation Equipment**

Radar : 2x Furuno DRS4A 4kw-  
display MU-190HD 19”  
GPS Navigation : 1x Furuno GP-330B  
Echo Sounder : 1x Furuno DFF1  
Navtex : 1x Furuno NX 700-A  
Sat. Compass : 1x Furuno SC-70  
BNWASS : 1x Furuno BR-520  
Magnetic Compass : 1x Reflecta 5  
Anemometer : 1x Airmar WS-220WX